

## Special Issue

# Aspirations within Interdisciplinary STEM/STEAM Education under the Education for Sustainable Development (ESD)

### Message from the Guest Editors

STEM/STEAM education facilitates meaningful learning for students by promoting the interdisciplinary integration of knowledge and skills among the STEAM fields. Moreover, it enhances their ability to solve complex industry problems, and their capacity to better the lives of all beings on Earth. STEM/STEAM education has now received attention from educational institutions, parents, society, and industries all over the world. This Special Issue aims to prompt deeper investigations on the theory and practice of STEM/STEAM education and to find ways to implement high-quality STEM/STEAM education from the perspective of SDGs, ESD, and the 2030 Learning compass. Papers concerning the following topics all fall under the scope of this Special Issue: -STEM/STEAM curriculum development -STEM/STEAM teaching models -Competency-based teaching in STEM/STEAM education -Preservice and in-service teacher training and certification of STEM/STEAM education -Evaluation of teachers' competences of STEM/STEAM teaching -Evaluation of students' STEM/STEAM competencies and learning outcomes -STEM/STEAM curriculum leadership -Policymaking for STEM/STEAM education

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### Guest Editors

Prof. Dr. Tzu-Hua Wang

Dr. Kenneth Y T Lim

Prof. Dr. Jari Lavonen

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### Deadline for manuscript submissions

closed (31 August 2023)



## Sustainability

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### Editor-in-Chief

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